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side by side			result set
<u>L5</u>	graft near BMP	8	<u>L5</u>
<u>L4</u>	osteochondral graft near BMP	145	<u>L4</u>
<u>L3</u>	osteochondral graft same BMP	203	<u>L3</u>
<u>L2</u>	osteochondral graft next BMP	924264	<u>L2</u>
<u>L1</u>	osteochondral graft adj BMP	145	<u>L1</u>

END OF SEARCH HISTORY

WEST

L5: Entry 1 of 8

File: USPT

Apr 16, 2002

DOCUMENT-IDENTIFIER: US 6371988 B1

TITLE: Bone grafts

Detailed Description Text (39):

In a preferred embodiment, an osteogenic composition is provided to the pores of the load bearing member. The bone growth inducing composition can be introduced into the pores in any suitable manner. For example, the composition may be injected into the pores of the graft. In other embodiments, the composition is dripped onto the graft or the graft is soaked in a solution containing an effective amount of the composition to stimulate osteoinduction. In either case the pores are exposed to the composition for a period of time sufficient to allow the liquid to thoroughly soak the graft. The osteogenic factor, preferably a BMP, may be provided in freeze-dried form and reconstituted in a pharmaceutically acceptable liquid or gel carrier such as sterile water, physiological saline or any other suitable carrier. The carrier may be any suitable medium capable of delivering the proteins to the spacer. Preferably the medium is supplemented with a buffer solution as is known in the art. In one specific embodiment of the invention, rhBMP-2 is suspended or admixed in a carrier, such as water, saline, liquid collagen or injectable BCP. The BMP solution can be dripped into the graft or the graft can be immersed in a suitable quantity of the liquid. In a most preferred embodiment, BMP is applied to the pores of the graft and then lyophilized or freeze-dried. The graft-BMP composition can then be frozen for storage and transport.

WEST**Search Results - Record(s) 1 through 8 of 8 returned.**

1. Document ID: US 6371988 B1

L5: Entry 1 of 8

File: USPT

Apr 16, 2002

US-PAT-NO: 6371988

DOCUMENT-IDENTIFIER: US 6371988 B1

TITLE: Bone grafts

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pafford; John	Germantown	TN		
Boyd; Lawrence M.	Memphis	TN		
McKay; William F.	Memphis	TN		
Ray, III; Eddie F.	Cordova	TN		
Van Hoeck; James E.	Cordova	TN		

US-CL-CURRENT: 623/17.11; 606/61, 623/17.16, 623/23.6, 623/23.63

2. Document ID: US 6261586 B1

L5: Entry 2 of 8

File: USPT

Jul 17, 2001

US-PAT-NO: 6261586

DOCUMENT-IDENTIFIER: US 6261586 B1

TITLE: Bone graft composites and spacers

DATE-ISSUED: July 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McKay; William F.	Memphis	TN		

US-CL-CURRENT: 424/423; 424/422, 424/426, 424/548, 424/549, 514/2, 523/115, 530/840,
606/61, 623/17.12

3. Document ID: US 6053916 A

L5: Entry 3 of 8

File: USPT

Apr 25, 2000

US-PAT-NO: 6053916

DOCUMENT-IDENTIFIER: US 6053916 A

TITLE: Sacroiliac implant

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moore; Michael R.	Aurora	CO	80116	

US-CL-CURRENT: 606/61; 606/72, 606/73, 623/18.11[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [RUMC](#) | [Draw Desc](#) | [Image](#)

 4. Document ID: US 6039762 A

LS5: Entry 4 of 8

File: USPT

Mar 21, 2000

US-PAT-NO: 6039762

DOCUMENT-IDENTIFIER: US 6039762 A

TITLE: Reinforced bone graft substitutes

DATE-ISSUED: March 21, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McKay; William F.	Memphis	TN		

US-CL-CURRENT: 623/17.11; 606/60, 606/61[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [RUMC](#) | [Draw Desc](#) | [Image](#)

 5. Document ID: US 5989289 A

LS5: Entry 5 of 8

File: USPT

Nov 23, 1999

US-PAT-NO: 5989289

DOCUMENT-IDENTIFIER: US 5989289 A

**** See image for Certificate of Correction ****

TITLE: Bone grafts

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coates; Bradley J.	Rossville	TN		
Hoeck; James Van	Cordova	TN		
Poyner; Jeffrey	Atoka	TN		

US-CL-CURRENT: 623/17.16[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [RUMC](#) | [Draw Desc](#) | [Image](#)

6. Document ID: US 5972368 A

L5: Entry 6 of 8

File: USPT

Oct 26, 1999

US-PAT-NO: 5972368

DOCUMENT-IDENTIFIER: US 5972368 A

TITLE: Bone graft composites and spacers

DATE-ISSUED: October 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McKay; William F.	Memphis	TN		

US-CL-CURRENT: 424/423; 424/422, 424/426, 514/2, 530/840[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [RDMC](#) | [Draw Desc](#) | [Image](#) 7. Document ID: US 5830493 A

L5: Entry 7 of 8

File: USPT

Nov 3, 1998

US-PAT-NO: 5830493

DOCUMENT-IDENTIFIER: US 5830493 A

TITLE: Bone-forming graft

DATE-ISSUED: November 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yokota; Shoji	Shizuoka			JP
Shimokawa; Seitaro	Shizuoka			JP
Sonohara; Ritsu	Shizuoka			JP
Okada; Akira	Shizuoka			JP
Takahashi; Koichiro	Tokyo			JP

US-CL-CURRENT: 424/426; 523/115, 623/23.61[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [RDMC](#) | [Draw Desc](#) | [Image](#) 8. Document ID: US 5364839 A

L5: Entry 8 of 8

File: USPT

Nov 15, 1994

US-PAT-NO: 5364839

DOCUMENT-IDENTIFIER: US 5364839 A

TITLE: Osteoinductive pharmaceutical formulations

DATE-ISSUED: November 15, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gerhart; Tobin N.	Brookline	MA		
Wang; Elizabeth A.	Carlisle	MA		
Kriz; Mary J.	Hudson	MA		

US-CL-CURRENT: 514/12; 514/21, 514/8, 530/350, 530/399

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

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NEWS 14 Apr 21 New current-awareness alert (SDI) frequency in
WPIDS/WPINDEX/WPIX
NEWS 15 Apr 28 RDISCLOSURE now available on STN
NEWS 16 May 05 Pharmacokinetic information and systematic chemical names
added to PHAR
NEWS 17 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 18 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 19 May 19 Simultaneous left and right truncation added to WSCA
NEWS 20 May 19 RAPRA enhanced with new search field, simultaneous left and
right truncation
NEWS 21 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 22 Jun 06 PASCAL enhanced with additional data
NEWS 23 Jun 20 2003 edition of the FSTA Thesaurus is now available
NEWS 24 Jun 25 HSDB has been reloaded
NEWS 25 Jul 16 Data from 1960-1976 added to RDISCLOSURE
NEWS 26 Jul 21 Identification of STN records implemented
NEWS 27 Jul 21 Polymer class term count added to REGISTRY
NEWS 28 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and
Right Truncation available

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=> s articular cartilage regeneration and osteochondral graft and BMP
L1 2 ARTICULAR CARTILAGE REGENERATION AND OSTEOCHONDRAL GRAFT AND BMP

=> d l1 ti abs ibib tot

L1 ANSWER 1 OF 2 USPATFULL on STN

TI Device for regeneration of articular cartilage and other tissue
AB An implantable device for facilitating the healing of voids in bone, cartilage and soft tissue is disclosed. A preferred embodiment includes a cartilage region comprising a polyelectrolytic complex joined with a subchondral bone region. The cartilage region, of this embodiment, enhances the environment for chondrocytes to grow articular cartilage; while the subchondral bone region enhances the environment for cells which migrate into that region's macrostructure and which differentiate into osteoblasts. A hydrophobic barrier exists between the regions, of this embodiment. In one embodiment, the polyelectrolytic complex transforms to hydrogel, following the implant procedure.

ACCESSION NUMBER: 2003:65819 USPATFULL
TITLE: Device for regeneration of articular cartilage and other tissue
INVENTOR(S): Brekke, John H., Duluth, MN, UNITED STATES
Bradica, Gino, Claremont, NH, UNITED STATES
Goldman, Scott M., Paoli, PA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 2003045943 A1 20030306
APPLICATION INFO.: US 2002-199961 A1 20020719 (10)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1998-206604, filed on 7 Dec 1998, GRANTED, Pat. No. US 6264701 Division of Ser. No. US 1994-242557, filed on 13 May 1994, GRANTED, Pat. No. US 5981825

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Alan D. Kamrath, Kensey Nash Corporation, 55 E. Uwchlan Avenue, Exton, PA, 19341

NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
LINE COUNT: 1263

L1 ANSWER 2 OF 2 USPATFULL on STN

TI Device for regeneration of articular cartilage and other tissue
AB An implantable device for facilitating the healing of voids in bone, cartilage and soft tissue is disclosed. A preferred embodiment includes a cartilage region comprising a polyelectrolytic complex joined with a subchondral bone region. The cartilage region, of this embodiment, enhances the environment for chondrocytes to grow articular cartilage; while the subchondral bone region enhances the environment for cells which migrate into that region's macrostructure and which differentiate into osteoblasts. A hydrophobic barrier exists between said regions, of this embodiment. In one embodiment, the polyelectrolytic complex transforms to hydrogel, following the implant procedure.

ACCESSION NUMBER: 2002:55324 USPATFULL
TITLE: Device for regeneration of articular cartilage and other tissue
INVENTOR(S): Brekke, John H., Duluth, MN, UNITED STATES
Goldman, Scott M., Paoli, PA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 2002032488 A1 20020314
APPLICATION INFO.: US 2001-909027 A1 20010719 (9)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1998-206604, filed on 7 Dec 1998, GRANTED, Pat. No. US 6264701 Division of Ser. No. US 1994-242557, filed on 13 May 1994, GRANTED, Pat. No. US 5981825
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Alan D. Kamrath, Kensey Nash Corporation, 55 E. Uwchlan Avenue, Exton, PA, 19341
NUMBER OF CLAIMS: 56
EXEMPLARY CLAIM: 1
LINE COUNT: 1349

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1. Document ID: US 6599520 B2

L14: Entry 1 of 168

File: USPT

Jul 29, 2003

US-PAT-NO: 6599520

DOCUMENT-IDENTIFIER: US 6599520 B2

TITLE: Method of inducing new bone growth in porous bone sites

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scarborough; Nelson L.	Andover	MA		
Russell; James	Little Silver	NJ		

US-CL-CURRENT: 424/426[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#)

2. Document ID: US 6595998 B2

L14: Entry 2 of 168

File: USPT

Jul 22, 2003

US-PAT-NO: 6595998

DOCUMENT-IDENTIFIER: US 6595998 B2

TITLE: Tissue distraction device

DATE-ISSUED: July 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Johnson; Wes	Eden Praire	MN		
Lipschultz; Tyler	Minneapolis	MN		
Wales; Larry	Maplewood	MN		
Kieval; Robert	Medina	MN		

US-CL-CURRENT: 606/90; 606/61, 606/99, 623/17.16[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#)

3. Document ID: US 6592588 B1

L14: Entry 3 of 168

File: USPT

Jul 15, 2003

US-PAT-NO: 6592588

DOCUMENT-IDENTIFIER: US 6592588 B1

TITLE: Apparatus for osteochondral autograft transplantation

DATE-ISSUED: July 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bobic; Vladimir	Chester			GB
Morgan; Craig D.	Greenville	DE		
Schmieding; Reinhold	Naples	FL		
Burkhart; Stephen S.	San Antonio	TX		
O'Quinn; Philip S.	Naples	FL		

US-CL-CURRENT: 606/79; 600/567, 606/167, 606/184

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [RQNC](#) | [Draw Desc](#) | [Image](#)

4. Document ID: US 6591581 B2

L14: Entry 4 of 168

File: USPT

Jul 15, 2003

US-PAT-NO: 6591581

DOCUMENT-IDENTIFIER: US 6591581 B2

TITLE: Method for preparing and inserting round, size specific osteochondral cores in the knee

DATE-ISSUED: July 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schmieding; Reinhold	Naples	FL		

US-CL-CURRENT: 53/396; 128/898, 623/11.11, 623/16.11, 623/23.61, 623/908, 700/213

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [RQNC](#) | [Draw Desc](#) | [Image](#)

5. Document ID: US 6590059 B2

L14: Entry 5 of 168

File: USPT

Jul 8, 2003

US-PAT-NO: 6590059

DOCUMENT-IDENTIFIER: US 6590059 B2

TITLE: Bioerodible polyorthoesters from dioxolane-based diketene acetals

DATE-ISSUED: July 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ng; Steven Y.	San Francisco	CA		
Heller; Jorge	Woodside	CA		

US-CL-CURRENT: 528/220; 424/422, 424/425, 424/426, 424/451, 424/458, 424/486,

[528/271](#), [528/310](#), [528/354](#), [528/361](#), [528/403](#), [528/406](#), [528/422](#), [528/73](#), [528/74](#)

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6. Document ID: US 6585666 B2

L14: Entry 6 of 168

File: USPT

Jul 1, 2003

US-PAT-NO: 6585666

DOCUMENT-IDENTIFIER: US 6585666 B2

TITLE: Arthroscopic diagnostic probe to measure mechanical properties of articular cartilage

DATE-ISSUED: July 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Suh; Jun-kyo	Pittsburgh	PA		
Fu; Freddie H.	Pittsburgh	PA		
Youn; Inchan	Pittsburgh	PA		

US-CL-CURRENT: [600/587](#); [600/443](#), [600/449](#), [600/459](#), [600/462](#), [702/41](#), [702/43](#), [73/573](#)

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)

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7. Document ID: US 6585647 B1

L14: Entry 7 of 168

File: USPT

Jul 1, 2003

US-PAT-NO: 6585647

DOCUMENT-IDENTIFIER: US 6585647 B1

TITLE: Method and means for synthetic structural imaging and volume estimation of biological tissue organs

DATE-ISSUED: July 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Winder; Alan A.	Westport	CT	06880	

US-CL-CURRENT: [600/437](#); [128/916](#), [600/443](#)

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)

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8. Document ID: US 6576237 B1

L14: Entry 8 of 168

File: USPT

Jun 10, 2003

US-PAT-NO: 6576237

DOCUMENT-IDENTIFIER: US 6576237 B1

TITLE: Vertebrate tissue pattern-inducing proteins, and uses related thereto

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ingham; Philip W.	Summertown			GB
McMahon; Andrew P.	Lexington	MA		
Tabin; Clifford J.	Cambridge	MA		
Bumcrot; David A.	Belmont	MA		
Marti-Gorostiza; Elisa	Brookline	MA		

US-CL-CURRENT: 424/158.1; 530/350, 530/388.1, 530/389.1

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9. Document ID: US 6575986 B2

L14: Entry 9 of 168

File: USPT

Jun 10, 2003

US-PAT-NO: 6575986

DOCUMENT-IDENTIFIER: US 6575986 B2

TITLE: Scaffold fixation device for use in articular cartilage repair

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Overaker; David W.	Annandale	NJ		

US-CL-CURRENT: 606/151; 411/508, 606/213, 606/72

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

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10. Document ID: US 6573101 B1

L14: Entry 10 of 168

File: USPT

Jun 3, 2003

US-PAT-NO: 6573101

DOCUMENT-IDENTIFIER: US 6573101 B1

TITLE: Compositions for receptor/liposome mediated transfection and methods of using same

DATE-ISSUED: June 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goomer; Randal S.	La Costa	CA		

US-CL-CURRENT: 435/458; 424/450

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

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111 and L13

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<u>L13</u>	articular cartilage regeneration adj osteochondral graft adj BMP	11508	<u>L13</u>
<u>L12</u>	articular cartilage regeneration same osteochondral graft same BMP	11529	<u>L12</u>
<u>L11</u>	l9 and L10	194	<u>L11</u>
<u>L10</u>	articular cartilage regeneration same osteochondral graft	51664	<u>L10</u>
<u>L9</u>	osteochondral graft same BMP	203	<u>L9</u>
<u>L8</u>	l7 and osteochondral graft	43057	<u>L8</u>
<u>L7</u>	articular cartilage regeneration and l4	11665	<u>L7</u>
<u>L6</u>	l2 and L5	869	<u>L6</u>
<u>L5</u>	l3 and L4	1495	<u>L5</u>
<u>L4</u>	BMP	2099	<u>L4</u>
<u>L3</u>	osteochondral grafts and growth factor	596848	<u>L3</u>
<u>L2</u>	articular cartilage regeneration	54771	<u>L2</u>
<u>L1</u>	5700774.pn.	1	<u>L1</u>

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<u>L14</u>	l11 and L13	168	<u>L14</u>
<u>L13</u>	articular cartilage regeneration adj osteochondral graft adj BMP	11508	<u>L13</u>
<u>L12</u>	articular cartilage regeneration same osteochondral graft same BMP	11529	<u>L12</u>
<u>L11</u>	l9 and L10	194	<u>L11</u>
<u>L10</u>	articular cartilage regeneration same osteochondral graft	51664	<u>L10</u>
<u>L9</u>	osteochondral graft same BMP	203	<u>L9</u>
<u>L8</u>	l7 and osteochondral graft	43057	<u>L8</u>
<u>L7</u>	articular cartilage regeneration and l4	11665	<u>L7</u>
<u>L6</u>	l2 and L5	869	<u>L6</u>
<u>L5</u>	l3 and L4	1495	<u>L5</u>
<u>L4</u>	BMP	2099	<u>L4</u>
<u>L3</u>	osteochondral grafts and growth factor	596848	<u>L3</u>
<u>L2</u>	articular cartilage regeneration	54771	<u>L2</u>
<u>L1</u>	5700774.pn.	1	<u>L1</u>

END OF SEARCH HISTORY